Exploring Aeronautics			
2007 Mathematics			
Standards			
Oregon Mathematics			
Grade 5			
Activity/Lesson	**State**	**Standards**	
Integrating with Aeronautics	OR	MA.5.5.2.1	Apply understanding of models for division (e.g., equal-sized groups, arrays, area models, equal intervals on the number line) and the relationship of division to multiplication to solve problems.
Exploring Aeronautics			
2007 Mathematics			
Standards			
Oregon Mathematics			
Grade 6			
Activity/Lesson	**State**	**Standards**	
Fundamentals of Aeronautics (145-176)	OR	MA.6.6.3.5	Represent, analyze, and determine relationships and patterns using tables, graphs, words and when possible, symbols.
Exploring Aeronautics			
2007 Mathematics			
Standards			
Oregon Mathematics			
Grade 7			
Activity/Lesson	**State**	**Standards**	
Integrating with Aeronautics	OR	MA.7.7.2.1	Represent proportional relationships with coordinate graphs and tables, and identify unit rate as the slope of the related line.
Integrating with Aeronautics	OR	MA.7.7.2.2	Apply ratio and proportionality to solve problems, including percent and simple probability.
Integrating with Aeronautics	OR	MA.7.7.2.3	Use coordinate graphs, tables, and equations to distinguish proportional relationships from other relationships, including inverse proportionality.
Exploring Aeronautics			
2007 Mathematics			
Standards			
Oregon Mathematics			
Grade 8			
Activity/Lesson	**State**	**Standards**	
Fundamentals of Aeronautics (145-176)	OR	MA.8.8.1.6	Use informal strategies (e.g., graphs or tables) to solve problems involving systems of linear equations in two variables.
Fundamentals of Aeronautics (145-176)	OR	MA.8.8.2.1	Organize and display data (e.g., histograms, box-and-whisker plots, scatter plots) to pose and answer questions; and justify the reasonableness of the choice of display.

Fundamentals of Aeronautics (145-176)	OR	MA.8.8.2.3	Interpret and analyze displays of data and descriptive statistics.
Airplane Control(209-256)	OR	MA.8.8.3.1	Use properties of parallel lines, transversals, and angles to find missing sides and angles, and to solve problems including determining similarity or congruence of triangles.
Airplane Control(209-256)	OR	MA.8.8.3.3	Use models and logical arguments to show that the sum of the angles of any quadrilateral is 360 degrees, and apply this fact to find unknown angles.
Science of Flight	OR	MA.8.8.2.1	Organize and display data (e.g., histograms, box-and-whisker plots, scatter plots) to pose and answer questions; and justify the reasonableness of the choice of display.
Integrating with Aeronautics	OR	MA.8.8.1.1	Translate among contextual, verbal, tabular, graphical, and algebraic representations of linear functions.
Integrating with Aeronautics	OR	MA.8.8.1.4	Use linear functions and equations to represent, analyze and solve problems, and to make predictions and inferences.
Integrating with Aeronautics	OR	MA.8.8.1.6	Use informal strategies (e.g., graphs or tables) to solve problems involving systems of linear equations in two variables.
Integrating with Aeronautics	OR	MA.8.8.2.3	Interpret and analyze displays of data and descriptive statistics.
Integrating with Aeronautics	OR	MA.8.8.3.4	Use models to explore the validity of the Pythagorean Theorem, and use it to find missing lengths.
Integrating with Aeronautics	OR	MA.8.8.3.6	Use models and referents to explore and estimate square roots.
Intro to Aeronautics (109-123)	OR	MA.8.8.2.3	Interpret and analyze displays of data and descriptive statistics.
Intro to Aeronautics (109-123)	OR	MA.8.8.2.4	Compare descriptive statistics and evaluate how changes in data affect those statistics.
Scientific Method(124-144)	OR	MA.8.8.2.3	Interpret and analyze displays of data and descriptive statistics.
Scientific Method(124-144)	OR	MA.8.8.2.4	Compare descriptive statistics and evaluate how changes in data affect those statistics.